WHAT IS CLAIMED IS:

1. A composite inductor element comprising:

a block made of at least either resin or rubber having a magnetic material dispersed therein, external electrodes being provided on said block; and

a plurality of coils buried in said block, end portions of each of the plurality of coils being electrically connected to said external electrodes.

2. A composite inductor element according to claim 1, wherein each of the coils has different electrical characteristics.

3. A composite inductor element according to claim 1, wherein four of the coils are provided.

4. A composite inductor element according to claim 1, wherein the plurality of coils are spirally wound.

5. A composite inductor element according to claim 1, wherein the block has a substantially rectangular parallelpiped shape.

6. A composite inductor element according to claim 1, wherein the plurality of coils are arranged such that axes of the plurality of coils extend in the same direction.

7. A composite inductor element according to claim 1, wherein the external electrodes are made of one of Ag, Ag-Pd, and Ni.

8. A composite inductor element according to claim 1, wherein the external electrodes comprise substantially U-shaped caps made of silver.

9. A composite inductor element according to claim 1, wherein one of the plurality of coils has a different number of windings turns from that of others of the plurality of coils.

10. A composite inductor element according to claim 1, wherein one of the plurality of coils has a different wire thickness from that of others of the plurality of coils.

11. A composite inductor element according to claim 1, wherein one of the plurality of coils has a different coil diameter from that of others of the plurality of coils.

12. A composite inductor element comprising:

a block made of at least either resin or rubber having a magnetic material dispersed therein; and

a plurality of electromagnetically close-coupled coils buried in said block, said coils being arranged in parallel and being constructed of spirally-wound parallel-wire lines made of a plurality of insulation-coated conductors.

13. A composite inductor element according to claim 12, wherein the plurality of spirally wound parallel-wire lines constituting the plurality of electromagnetically close-coupled coils are buried in the block such that the lines are separated from each other.

14. A composite inductor element according to claim 12, wherein one of the plurality of coils has a different number of windings from that of others of the plurality of coils.

15. A composite inductor element according to claim 12, wherein one of the plurality of coils has a different thickness from that of others of the plurality of coils.

16. A composite inductor element according to claim 12, wherein one of the plurality of coils has a different diameter from that of others of the plurality of coils.

17. A composite inductor element according to claim 12, wherein the plurality of coils are arranged such that axes of the plurality of coils extend in the same direction.

18. A composite inductor element according to claim 12, wherein each of the coils has different electrical characteristics.

19. A composite inductor element according to claim 12, wherein four of the coils are provided.

20. A composite inductor element according to claim 12, wherein the block has a substantially rectangular parallelpiped shape.